



Missouri Weekly Influenza Report 2007-2008 Season¹

Missouri is reporting “Regional” to the CDC for Week 4².

To view influenza maps click [here](#). Each map will give county data by placing the cursor over the county.

Table 1. Reported Laboratory cases by sub-type for the Week ending January 26, 2008 (Week 4)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 4	258			3	22	102	385

382 cases by rapid non-culture diagnostic test and 3 culture confirmed type A (H3) have been reported for week 4.

**Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type
Through Week Ending January 26, 2008 (Week 4)**

Influenza Type	2007-08 Season	5-Season Median	Percent Change from 5-Season Median
Influenza A	975	1,387	(29.7%)
Influenza B	128	179	(28.5%)
Influenza Unknown Or Untyped	287	1,271	(77.4%)
Total	1,390	2,051	(32.2%)

**Table 3. Influenza Season-to-Date and
5-season Median by Age Group
Through Week Ending January 26, 2008 (Week 4)**

Age Group	2007-08 Count	5-Season Median	Percent Change from 5-Season Median
00-<02	139	281	(50.5%)
02-04	148	255	(42.0%)
05-14	275	1,036	(73.5%)
15-24	255	208	22.6%
25-49	387	378	2.4%
50-64	101	138	(26.8%)
65+	85	167	(49.1%)
Total	1,390	2,051	(32.2%)

**Table 4. Influenza Season-to-Date and
5-season Median by Region
Through Week Ending January 26, 2008 (Week 4)**

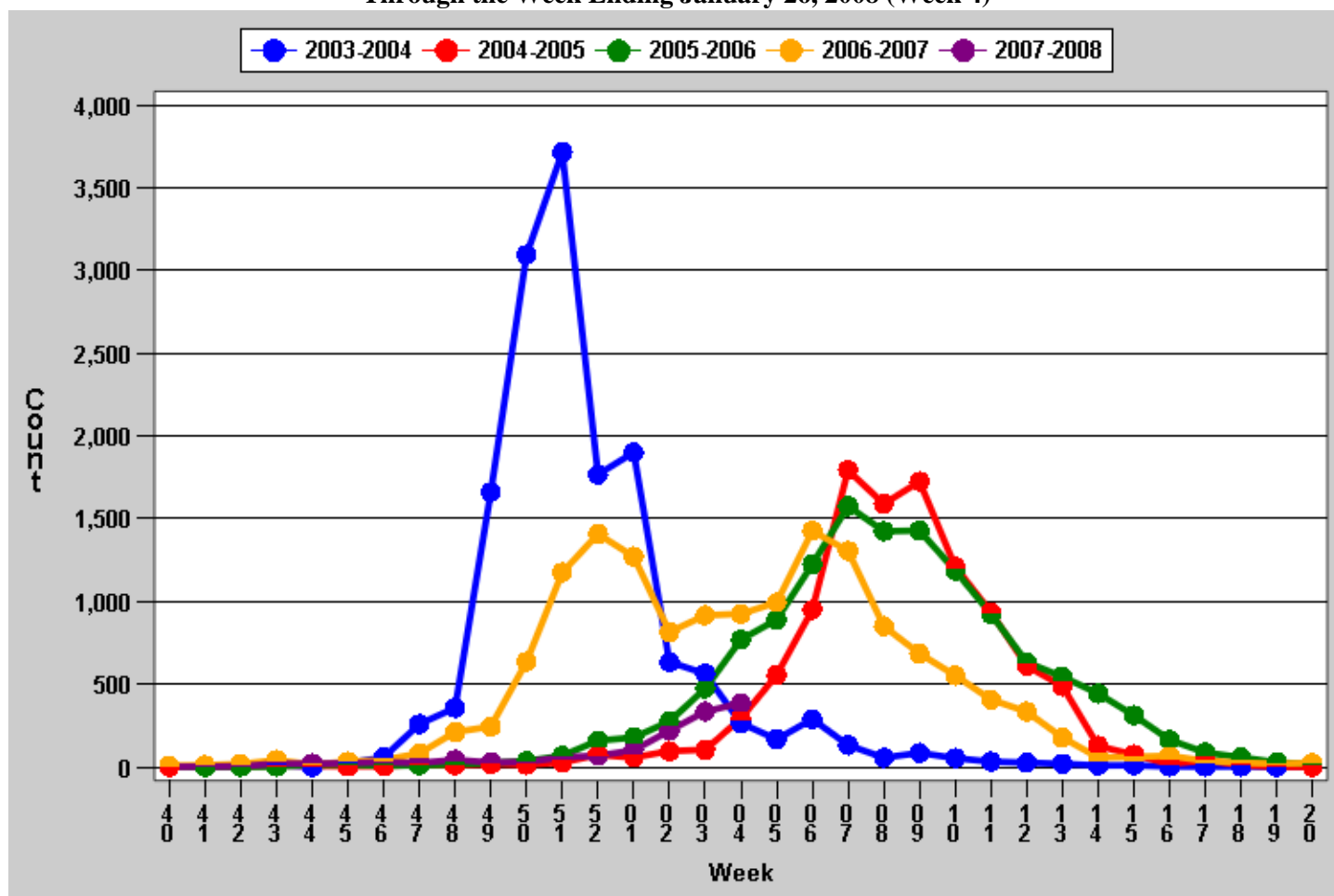
Region	2007-08 Count	5-Season Median	Percent Change from 5-Season Median
CE	107	333	(67.9%)
EA	712	347	105.2%
NW	127	952	(86.7%)
SE	67	49	36.7%
SW	377	433	(12.9%)
Total	1,390	2,051	(32.2%)

**Table 5. Deaths involving Pneumonia and Influenza (P&I)
Reported During the Week Ending January 19, 2008 (Week 3)***

Week 4	Season-to-Date	Week 4 Last Season	5 Year Weekly Median
67	974	67	101

* Beginning in Week 35 of 2003, the number of P&I deaths became based on a new system of retrieval that now includes all contributing causes of death from death certificates.

**Graph 1. Influenza 2007-08 Season-To-Date as compared to the previous 4 influenza seasons
Through the Week Ending January 26, 2008 (Week 4)**



**Table 6. U.S. Influenza Sentinel Physicians Surveillance Network
Influenza-like Illness (ILI) for the Week Ending January 19, 2008 (Week 3)**

Age 0-4	Age 5-24	Age 25-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI*
1	5	1	0	7	2586	0.27

*This is below the national percent of 11.1%

**Table 7. Respiratory Specimens Submitted to SPHL for Viral Testing
Through the Week Ending January 26, 2008 (Week 4)***

	Positive Influenza	Total Number Specimens Submitted
Week 4	3	15
Season-to-Date	6	58

Antigenic Characterization of Missouri Influenza Isolates submitted to CDC by the State Public Health Laboratory: CDC antigenically characterizes a sample of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services (DHSS), State Public Health Laboratory (SPHL).

Results Received from CDC: Influenza B viruses currently circulating can be divided into two antigenically and genetically distinct lineages represented by **B/Yamagata/16/88** and **B/Victoria/2/87** viruses.

CDC has antigenically characterized one isolate so far this season from Missouri: as B/FLORIDA/04/2006-LIKE virus.

Both LAIV and TIV contain strains of influenza viruses that are antigenically equivalent to the annually recommended strains: one influenza A (H3N2) virus, one influenza A (H1N1) virus, and one influenza B virus. Each year, one or more virus strains might be changed on the basis of global surveillance for influenza viruses and the emergence and spread of new strains. Only the H1N1 strain was changed for the recommended vaccine for the 2007–08 influenza season, compared with the 2006–07 season. Viruses for both types of currently licensed vaccines are grown in eggs. Both vaccines are administered annually to provide optimal protection against influenza virus infection. Both TIV and LAIV are widely available in the United States. Although both types of vaccines are expected to be effective, the vaccines differ in several aspects.

Clusters/Outbreaks of Influenza-like Illness: One school closing has been reported for week 4 of current season; two school closings were reported for last season. Two outbreaks have been reported for week 4 of the current season; no outbreaks were reported last season.

Data Sources: Laboratory-confirmed cases are reported to DHSS through the passive communicable disease surveillance system. Suspected influenza clusters and outbreaks are reported through the active surveillance system. Pneumonia and influenza deaths are reported through the DHSS Bureau of Vital Records. Influenza-like illness data by age category and total number of patient visits by week are reported voluntarily by participants in the U.S. Influenza Sentinel Physicians Surveillance Network.

Find Us on the Web

This report may also be found on the DHSS Internet at: www.dhss.state.mo.us/Influenza/index.html.

National influenza surveillance information is available from the Centers for Disease Control and Prevention at: www.cdc.gov/ncidod/diseases/flu/weekly.htm.

Contact Us

The Missouri Department of Health and Senior Services after hour's number for reporting disease cases and emergencies is **1-800-392-0272**.

¹ *All data in this report are provisional and may change as reports are updated.*

² *Influenza activity codes are reported to CDC each Monday.*